CLAIM SET AS AMENDED

1. (PREVIOUSLY PRESENTED) A structure for reducing noise and vibration in a scroll compressor, comprising:

an outer casing operatively connected with a suction pipe and discharge pipe;

an inner casing engaged with an inner circumferential surface of the outer casing;

a driving motor engaged with the inner circumferential surface of the inner casing for generating a rotational force;

a driving shaft engaged with a rotor for transmitting the rotational force;

a fixed scroll forming a discharge port, and arranged with an orbiting scroll so as to have a plurality of compression pockets, said orbiting scroll eccentrically engaged with the driving shaft, wherein said compression pockets continually move during an orbital motion of said orbiting scroll;

a frame affixed on the inner circumferential surface of the inner casing for supporting the driving shaft; and

an elastic support device for elastically supporting ends of the outer casing and the inner casing.

2. (CURRENTLY AMENDED) The structure according to claim 1, wherein the elastic support device comprises:

a plurality of outer supporting protrusion portions, wherein at least three of said outer supporting protrusion portions are formed along the inner circumferential surface of the outer casing and extending toward the ~~at a height equal to a height of the~~ inner circumferential surface of the outer casing;

a first spring fixing member being inserted on a side surface of the outer supporting protrusion portions;

a plurality of inner supporting protrusion portions, wherein at least three of said inner supporting protrusion portions are formed on the outer circumferential surface of the inner casing and facing the outer supporting protrusion portion;

a second spring fixing member being inserted on a first side of the inner supporting protrusion portions; and

an elastic member positioned between the first spring fixing member and the second spring fixing member for elastically supporting the inner casing on the outer casing.

3. (PREVIOUSLY PRESENTED) The structure according to claim 2, wherein the outer supporting protrusion portions and the inner supporting

protrusion portions are formed protruding along a common perpendicular line to the inner circumferential surface of the outer casing and having a predetermined height difference.

4. (PREVIOUSLY PRESENTED) The structure according to claim 1, wherein the elastic support device comprises:

a plurality of elastic member mounting holes, wherein at least three of said elastic member mounting holes are formed penetrating said inner casing at a certain portion of the inner casing;

a plurality of outer supporting protrusion portions, wherein at least three of said outer supporting protrusion portions are formed along the inner circumferential surface of the outer casing at a same height and which penetrate the elastic member mounting holes;

a first spring fixing member being inserted on a side surface of the outer supporting protrusion portions;

a second spring fixing member being inserted on a first side of a main frame; and

an elastic member positioned between the first spring fixing member and the second spring fixing member for elastically supporting the inner casing on the outer casing.

5. (PREVIOUSLY PRESENTED) The structure according to claim 1, wherein a discharge plenum is connected with a discharge port and is positioned on the rear surface of the fixed scroll, said discharge port including at least one discharge space formed therein.

6. (PREVIOUSLY PRESENTED) The structure according to claim 5, wherein a loop pipe for connecting a final discharge space and a discharge pipe of the outer casing is affixed at one side of the discharge plenum.

7. (PREVIOUSLY PRESENTED) A structure for reducing noise and vibration in a scroll compressor, comprising:

an outer casing operatively connected with a suction pipe and discharge pipe;

an inner casing engaged with an inner circumferential surface of the outer casing;

a driving motor engaged with the inner circumferential surface of the inner casing for generating a rotational force;

a driving shaft engaged with a rotor for transmitting the rotational force;

a fixed scroll forming a discharge port, and arranged with an orbiting scroll so as to have a plurality of compression pockets, said orbiting scroll

eccentrically engaged with the driving shaft, wherein said compression pockets continually move during an orbital motion of said orbiting scroll;

a frame affixed on the inner circumferential surface of the inner casing for supporting the driving shaft; and

an elastic support device for elastically supporting ends of the outer casing and the inner casing, wherein a lower end of the driving shaft is formed longer than a lower end of the inner casing.

8. (PREVIOUSLY PRESENTED) The structure according to claim 1, wherein the elastic member includes a compressive coil spring.

9. (PREVIOUSLY PRESENTED) The structure according to claim 6, wherein the loop pipe includes an elastic spring pipe.

10. (CURRENTLY AMENDED) A structure for reducing noise and vibration in a scroll compressor, comprising:

an outer casing operatively connected with a suction pipe and discharge pipe;

an inner casing engaged with an inner circumferential surface of the outer casing;

a driving motor engaged with the inner circumferential surface of the inner casing for generating a rotational force;

a driving shaft engaged with a rotor for transmitting the rotational force;

a fixed scroll forming a discharge port, and arranged with an orbiting scroll so as to have a plurality of compression pockets, said orbiting scroll eccentrically engaged with the driving shaft, wherein said compression pockets continually move during an orbital motion of said orbiting scroll;

a frame affixed on the inner circumferential surface of the inner casing for supporting the driving shaft; and

an elastic support device positioned between said inner casing and said outer casing for elastically supporting ends of the outer casing and the inner casing, wherein said elastic support device is positioned ~~along~~ at a predetermined height of said inner casing corresponding to an imaginary line passing perpendicular to said driving shaft, wherein said imaginary line passes through said frame, said driving shaft and said elastic support device ~~vertically aligned adjacent to said orbiting scroll and said fixed scroll~~.

AMENDMENTS TO THE DRAWINGS

Applicant has submitted formal drawings concurrently herewith that incorporate the Examiner's requested changes. Specifically, FIG. 4 has been added to show a more detailed view of element 21, e.g., a loop pipe, already shown in FIG. 2(A) of the present application as requested by the Examiner.